

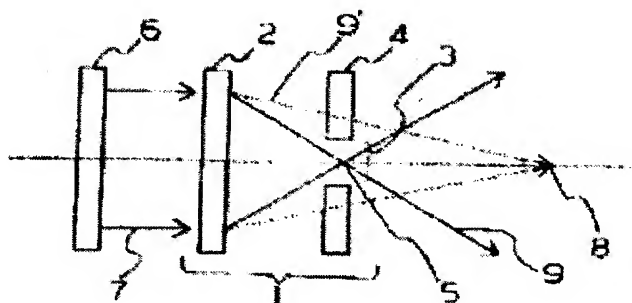
**SPACE LIGHT MODULATION ELEMENT AND IMAGE DISPLAY DEVICE**

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**Inventor:** KURATOMI YASUNORI; OGAWA KUNI  
**Applicant:** MATSUSHITA ELECTRIC IND CO LTD  
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**Abstract of JP6235932**

**PURPOSE:**To attain high-contrast light modulation with a simple structure by fixing the light transmission section of a shielding means at the focal point of an image forming means having a variable focal distance. **CONSTITUTION:**A space light modulation element 1 is constituted of an image forming means 2 having a variable focal distance and a shielding means 4 provided with a light transmission section 3. The incidence light from a parallel light source 6 is fed to the image forming means 2. When the focal point of the image forming means 2 is changed to the first focal point 5, all the outgoing light 9 from the image forming means 2 passes through the light transmission section 3. When the focal point of the image forming means 2 is changed to the second focal point 8, most of the outgoing light 9' from the image forming means 2 is shielded by the shielding means 4, and only part of the light passing through the light transmission section 3 becomes the output of the space light modulation element 1. The output light quantity of the space light modulation element 1 can be changed when the focal point of the image forming means 2 is changed. If the focal point can be continuously changed from the first focal point 5 to the second focal point 8, the output light intensity of the space light modulation element 1 is continuously changed.



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